

AUTHOR: Shcherbakov, D. I., Member AS USSR 30-58-3-15/45

TITLE: The 9th Pacific Congress at Bangkok
(IX Tikhookeanskiy kongress v Bangkoke)

PERIODICAL: Vestnik Akademii Nauk SSSR, 1958,
(USSR) Nr 3, pp. 74-77

ABSTRACT: A number of important scientific problems is connected with the Pacific: That of oceanology (together with problems of the atmosphere), the biology of the bottom of the sea, of volcanism, the utilization of the internal heat of the earth for practical purposes and others. A Pacific scientific association with a scientific council was created for the solution of these problems, which comprises representatives of 14 countries: The Presidential Committee of the AS USSR delegated the following scientists to Bangkok: D. I. Shcherbakov (leader of the delegation), P. A. Moiseyev, A. G. Kolesnikov, Ye. V. Karus, P. V. Ushakov, Ye. F. Gur'yanova, G. I. Mamrykin. The opening session took place on November 18th. 18 sections worked in the building of the University of Chulalongkor (see Card 1/4

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illustration): Geology, Geophysics, meteorology, oceanography, pisciculture, zoology, entomology, botanics, natural resources, museums, soils and their classification, forests, increase of yields per hectare, improvement of cattle-breeding, cacao-nut plantations, chemistry and natural resources, anthropology and social sciences, medical science and public hygiene, nutrition. The Soviet delegates took active part in the work of the following sections: Geology and geophysics, oceanography, pisciculture, zoology, anthropology, and social sciences. They submitted 28 reports. A total number of 800 persons took part, among them 467 from 28 countries which had interests of their own in the Pacific. The Thailand delegation (300 persons) submitted about 90 reports. The following excursions were made to: The Pasteur Institute, the reservoir lakes of Sublek and Bang-Pra, the maritime station of Sattakhip, the hydrographic administrative office, the isles of Kokram where sea-turtles are bred, the Biological Station of the University of Bang-Sayen, the ancient capital of Ayutiyu, the Royal Summer Residence of Bang-pain as well as to other scientific, cultural and public institutions. Also some remarkable antique monuments

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were visited. The congress ended on November 30th. A joint resolution was passed without discussion and it was decided that the next congress should take place at Honolulu in 1961. During the conference the Soviet delegation was able to state that great interest was displayed by US scientists for the Pacific, which, according to their opinion, is due to the economic and political expansion of the USA in this region. It was further found that American scientists organize complex oceanological expeditions which are attended by a large number of specialists of various fields of science. These expeditions above all carried out large scale oceanographic mappings of the Northern and Equatorial Pacific. The author further mentioned that during the conference the questions relating to the radioactive contamination of Pacific waters and animal organism were discussed by a special symposium in connection with atomic- and hydrogen bomb tests. The Japanese scientists expressed their concern in a number of reports, whereas it is said that American reports were of a neutral character. It could, however, be seen from American reports that the

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Americans organized a special service for the observation of radioactive phenomena in the Pacific on numerous station vessels. In spite of its considerable volume, the joint resolution conveys only a very inadequate impression of the work performed by the conference. Main attention was devoted to natural resources and increase of food resources. More concrete material is contained in sectional reports. In conclusion, the author says that such meetings of the scientists of the different countries are bound to promote friendly relations as well as the progress of science.
There 1 figure.

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~OV/10-58-5-18/28

AUTHOR: Shcherbakov, D.I., Academician and Karus, Ye. V.

TITLE: The Ninth Pacific Science Congress in Thailand (Devyatyy tikhookeanskiy nauchnyy kongress v Tайланде)

PERIODICAL: Izvestiya Akademii nauk SSSR - Seriya geograficheskaya, 1958, Nr 5, pp 122-126 (USSR)

ABSTRACT: The ninth Pacific Science Congress took place at Bangkok (Thailand) November 18 to December 9, 1957. Over 800 scientists from 29 countries participated, including the following delegates from the USSR; Academician D.I. Shcherbakov, delegation head (geology of ore deposits); Professor Ye.F. Gur'yanov (zoology); Professor A.G. Kolesnikov (oceanology, sea thermics); Professor P.A. Moiseyev (fish industry); Professor P.V. Ushakov (hydrobiology) and Candidate of Physico-Mathematical Sciences Ye.V. Karus (physics of the Earth). Information is presented on various reports delivered at the Congress which included a report by Kropotkin

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and Lyustikh from the USSR on the structure of the Earth's crust in the Pacific region, and on the problem of the growth of continents.

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AUTHORS.

Baranov, V. I., Knorre, K. G.

SOV/7-58-5-13/15

TITLE:

Chronicle. Transactions of the Seventh Session of the Commission for Determination of the Absolute Age of Geological Formations (Moscow, 1958)(Khronika. VII sessiya Komissii po opredeleniyu absolyutnogo vozrasta geologicheskikh formatsiy /Moskva. 1958 g./)

PERIODICAL:

Geokhimiya, 1958, Nr 5, pp 506 - 507 (USSR)

ABSTRACT:

The VII regular session of the Commission for the Determination of the Absolute Age of Geological Formations at the Department of Geological and Geographical Sciences AS USSR took place in Moscow from May 8 to 12, 1958. About 60 lectures were delivered by scientists from Moscow, Leningrad, Kiev, Sverdlovsk, Makhach-Kala and other towns of the USSR; they dealt with the geological chronology of various areas. Also a number of methodical informations were submitted. The opening speech was held by D.I. Shcherbakov, Member, Academy of Sciences, USSR. A.A. Pol'yanov spoke about the geochronology of the Precambrian of the Baltic Shield. N.P. Semenko showed that the Precambrian of the entire planet may be divided into four cycles each of

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Chronicle. - Transactions of the Seventh Session of the Commission for Determination of the Absolute Age of Geological Formations (Moscow, 1958) SOV/7-58-5-13/15

the order of million years on the basis of the determinations of their absolute age: 1) 3200 - 2700 mill. years. 2) 2600 - 1900 mill. years. 3) 1800 - 1200 mill. years. 4) 1100 - 500 mill. years. Then follows the cycle of the Late Cambrian 400 - 300 mill. years. A number of lectures dealt with the geochronology of single regions: Ukraine (L.V.Komlev et al.), Ural (L.P. Ovchinnikov), Eastern Germany (the group of A.P.Vinogradov). The Bulgarian scientist Iordanov dealt with the problems concerning the plutonic rocks in Bulgaria. A.Ya.Krylov spoke about the employment of the argon method in weathered sedimentary rocks. The seventh session brought about a change in the opinion of the geologists about the determination of age. The methods of the determination of the absolute age are now fully acknowledged as working method, just like chemical analysis. Independent laboratories were built for the individual regions. The argon method which earlier was still in the experimental stage has now become a classical method. E.K.Gerling spoke about the new constant for the K capture of K^{40} ; when the new value is used in the calculation higher values

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Chronicle.- Transactions of the Seventh Session of
the Commission for Determination of the Absolute Age of Geological Formations
(Moscow, 1958)

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for the age are obtained. In connection herewith A.P. Vinogradov, Member, Academy of Sciences, USSR, suggested to drop the certification of the age determinations practised by the commission. A great number of lectures dealt with the problem of the conservation of argon in minerals used for the determination of age. In the contribution submitted by the collaborators of the Dagestan Branch of the AS USSR (Dagestan filial AN SSSR) a new method was suggested for the separation of that part of argon and potassium which is conserved best. N.I. Poleva spoke about the first work in the USSR dealing with the K/Ca method of age determination. Since already a considerable amount of reliable age determinations has accumulated it may be started to compile a Soviet geochronological scale. A commission was set up for this purpose, which was joined by the leading scientists in the field of geochronology.

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AUTHOR: Shcherbakov, D.I. SOV-11-58-6-1/1

TITLE: **The Geological-Geophysical** Section of the IX Session of the Pacific Ocean Congress in Bangkok (Na geologo-geografičeskoy sektsii IX Sessii Tikhookeanskogo kongressa v g. Bangkok)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya Geologicheskaja, 1958, Nr 8, pp 109-115 (USSR)

ABSTRACT: This is a detailed report on the works of the geological-geophysical section during the IX Session of the Pacific Ocean Congress which took place in Bangkok (Thailand) in November 1957.

1. Geology 2. Geophysics

Card 1/1

AUTHOR: Shcherbakov, D.I., Academician SCV-26-58-9-12/42

TITLE: A Voyage to Thailand (Poyezdka v Tailand) Notes of a Member of the Ninth Session of the Pacific-Ocean Congress (Zametki uchastnika 9-oy tikhookeanskogo kongressa)

PERIODICAL: Priroda, 1958, Nr 9, pp 72-79 (USSR)

ABSTRACT: The 9th Session of the Pacific-Ocean Congress in Nov 1957 was visited by 8 Soviet specialists of the AS USSR. A total of 800 delegates took part in the congress. 28 papers by Soviet scientists were presented. The article gives a detailed description of the flight of the Soviet delegation to the Session in Bangkok. The return journey from Delhi was in a TU-104 aircraft and took 2 hours and 38 minutes to Tashkent. There are 11 photos.

1. Scientific reports--USSR 2. Air transportation--Applications

Card 1/1

AUTHOR: Shcherbakov, P.I.

FOV-11-58-9-8/14

TITLE: Our Laureates (Nashi laureaty); The Award of the 1958 Lenin Prize to Academicians A.G. Petekhtin, A.N. Zavaritskiy, D.S. Korzhinskiy and the Corresponding Member of the AS USSR V.A. Nikolayev (Prisuzhdeniye Leninskoy premii 1958 g. akademiku A.G. Petekhtinu, akademiku A.N. Zavaritskomu, akademiku D.S. Korzhinskому i chlenu-kor. AN SSSR V.A. Nikolayevu)

PUBLICATION: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1958, Nr 9, pp 92-93 (USSR)

ABSTRACT: The above-mentioned scientists were awarded the 1958 Lenin prize (Academician A.N. Zavaritskiy - postmortem) for their collective work "Basic Problems of the Study of Magmatogenic Ore Deposits" ("Osnovnyye problemy v uchenii o magmatogennykh rudnykh mestorozhdeniyakh"). The theory of formation of magmatogenic ore deposits was first launched by the late Academician S.S. Smirnov.

1. Scientists--USSR 2. Ores--USSR

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3c(7)
AUTHOR:

Shcherbakov, D. I., Academician

SOV/3c-1 29/16

TITLE:

Soviet Scientists on the Exposition (Sovetskiye uchenyye
o vystavke)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 11,
pp 104 - 106 (USSR)

ABSTRACT:

In the author's opinion the Palace of Sciences was one of the most impressive and interesting pavilions. It was set up according to the leading branches of science which will be predominantly important in the twenty or twenty-five years to come. Each of these branches, dealing with the atom, the molecule, the crystal, and the living cell, involved many practical aspects. All the sections of the Palace contained the results of scientific research done by scientists from different countries. This served to make it obvious that scientific progress depends upon co-operation. The author goes on to comment favorably on the French pavilion and the pavilion of Belgian Congo where

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Soviet Scientists on the Exposition

SCV/3c-11-11-29/43

methods were presented of making arable vast areas in the desert or in tropical regions, and the success of these methods was demonstrated. Furthermore, methods of irrigation used in Algeria were shown. In winding up the author expresses his regret

that under colonialism all the achievements of science and technology are used only for the benefit of the colonizers. There is 1 figure.

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SOV/30-58-8-8/43

AUTHOR: Shcherbakov, D. I., Member, Academy of Sciences, USSR

TITLE: Some Results of the Soviet Antarctic Expedition (Nekotoryye itogi rabot sovetskoy kompleksnoy antarkticheskoy ekspeditsii)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, № 8, pp. 47-56 (USSR)

ABSTRACT: Since the end of 1955 expeditions are at work in the Antarctic. Within the framework of the International Geophysical Year they have the following program: Exploration of the influence of the atmospheric processes in the Antarctic upon the general circulation in the terrestrial atmosphere, exploration of the laws of currents in the Antarctic waters, a physical and geographical description of the Antarctic and its present glaciers, their geological characteristics and history, and also their biogeographical and hydrogeographical characteristics, investigation of geophysical phenomena, of the basic raw material, the discovery of new regions for whale-fishing and the study of possibilities for aviation. It was the task of the first expedition in 1955/56 to organize the coastal base-station and to establish the observatory

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SOV/30-58-8-8/43

Some Results of the Soviet Antarctic Expedition

"Mirnyy" in the Eastern Antarctic. In this part the magnetic, seismic and aerological observatories were established as well as the geophysical, aerological, geological, glaciological, magnetic, aerophotogrammetric and photographic laboratories. 27 huts were built, a transmitter station of 5 kilowatts, an electric-power plant of 600 kilowatts, work rooms and depots. On October 15, 1956, the meteorological station "Oazis" was inaugurated for constant operation in the oasis Banger. On April 2, a group of 11 men set out from "Mirnyy" towards the Southern geomagnetic pole on half-tracks with trailer sleighs to explore the ground for two more stations further inland. 375 km away from "Mirnyy" the station "Pionerskaya" was set up on May 27, 1956. At the beginning of 1957, 635 km away from the coast, the temporary station "Vostok-1" was founded. With the inauguration of the station "Komsomol'skaya" on November 6, 1957, and its airfield, the station "Vostok-1" was abandoned. 10 half-tracks and 20 sleighs forced their way to this station. Two more stations were built; the South-Pole station "Vostok" on December 16, 1957, on the geomagnetic pole at a distance of 1410 km from "Mirnyy", the continental-station "Sovetskaya"

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Some Results of the Soviet Antarctic Expedition

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at a distance of 1420 km from "Mirnyy" and 550 km in the south-western direction from "Komsomol'skaya". Living conditions are very hard. At low atmospheric pressure (e.g. 450 mm Hg) there is a temperature of - 78°C and less. Investigations of the thickness of the ice were carried out. In places it reached 3500 m and as much as 800 m below sea level. It was found out, that the station "Mirnyy" was not on the mainland but on an island 400 km off the mainland. Aero-meteorological investigations were carried out on the sea, along the coast and at the mainland stations, which are explained in detail. On May 10, 1958 the following temperatures below zero were recorded: Mirnyy - 13°C, Oazis - 8°C, Pionerskaya - 40°C, Komsomol'skaya - 58°C, Vostok - 65°C, Sovetskaya - 79°C. Observations were made by zoologists with animals living in this region. The two expedition ships "Ob" and "Lena" undertook comprehensive oceanographical investigations in the South-Ocean area. The first authentic maps of this regions are compiled by means of aerial phototopography. The Soviet scientists work closely together with scientists of the USA, of Australia, France and other countries.

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SISYAKYAN, N.M.; FRANK, G.M.; SHCHERBAKOV, D.I., akademik; SIDORENKO, A.V.;
ARTOBOLEVSKIY, I.I., akademik; IL'IN, V.A., doktor tekhn. nauk;
DOMANITSKIY, S.M., kand. tekhn. nauk; PETROV, A.P.; BUDNIKOV, P.P.

Soviet scientists on the exhibition. Vest. AN SSSR 28 no.11:100-118
(MIRA 11:12)
N '58.

1.Chlen-korrespondent AN SSSR. (for Sisyakyan, Sidorenko, Petrov,
Budnikov). 2.Chlen-korrespondent AMN SSSR (for Frank).
(Brussels--Exhibitions)

SHCHERBAKOV, D.

"Geochronologic exploration carried out in the USSR by the method of determination
of absolute age. Tr. from the Russian."

p. 1 (Central Geologic Institute, Czechoslovak Academy of Sciences) Vol. 33, no. 1, 1958

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 5, May 1958

VASIL'YEV, M.; GUSHCHEV, S.; NESMEYANOV, A.N., akademik; SHCHERBAKOV, D.I., akademik;
ENGEL'GARDT, V.A., akademik; ZHERERAK, A.R., prof.; LEBEDEV, S.A.,
akademik; ZENKEVICH, L.A.; GRADOV, A.S.; GOLODOVSKIY, M.G., prof.;
STANYUKOVICH, K.P., prof.

Ahead with the dream! Znan.sila 33 no.12:24-25 D '58.
(MIRA 11:12)

1. Chlen-korrespondent AN SSSR (for Zendovich). 2. Direktor Nauchno-
issledovatel'skogo instituta proyektirovaniya obshchestvennykh zdaniy
i sooruzheniy (for Gradov).
(Science)

AUTHORS: Shcherbakov, D.I., Academician; Abramov, L.S. SCV-26-58-3-1/51

TITLE: Preserve the Natural Resources of the Country (Berech' pirodnyye resursy strany)

PERIODICAL: Priroda, 1958, Nr 3, pp 3-10 (USSR)

ABSTRACT: This article stresses the need for conservation of resources, and gives examples of where waste occurs. In 1955 the Commission for the Protection of Nature of the USSR Academy of Sciences was created. Similar commissions were created in all republics of the Soviet Union. These organizations are preparing laws and by-laws to deal with questions of conservation.

1. Economic conditions--USSR

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26-58-5-9/57

AUTHORS: Shcherbakov, D.I., Academician, and Mozeson, D.L., Candidate of Geographical Sciences

TITLE: Prospects of the Development of the Productive Forces of Kamchatka (Perspektivy razvitiya proizvoditel'nykh sil Kamchatki). Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast' (Nauchnaya sessiya po problemam izucheniya i ispol'zovaniya prirodnykh resursov Kamchatskoy oblasti)

PERIODICAL: Priroda, 1958,⁴⁷ Nr 5, pp 51-57 (USSR)

ABSTRACT: V.A. Obruchev has compiled a geological description of the Kamchatka Peninsula, with its still active volcanoes, geysers, mountain streams and waterfalls, cedar woods, the world's principal (80-85%) salmon grounds in the surrounding sea, and its rich mineral resources, such as gold, coal and rare metals. In 1908, F.P. Ryabushinskiy studied the local fauna, V.L. Komarov the flora. The Kompleksnaya ekspedisiya AN SSSR (Complex Expedition of the USSR Academy of Sciences) of 1934-36, the prospecting teams of the Ministerstvo geologii i okhrany nedr SSSR (Ministry of Geology and Mineral Resources Preservation of the USSR), the Tikhookean-

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Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

skiy institut rybnogo khozyaystva i okeanografii (Pacific Institute of the Fish Industry and Oceanography) and the Vulkanologicheskaya stantsiya (Volcanological Station), set up by the USSR Academy of Sciences, have conducted successful research over an extended period of time. Despite these endeavors, only 10% of the area is covered by geological maps of 1 : 200,000 or smaller scale. There are still areas that have not yet been mapped at all. Most of the peninsula has been explored along its central north-south axis. Along Kamchatka's western part, from the Penzhinsk Bay in the north to Ust'-Bol'sheretsk in the south, are situated 60 coal-bearing deposits. Sources rich in carbon dioxide and methane have also indicated oil, natural gas, and liquid bitumen. In the Kronotskiy District, in the east, geological indications also show oil-bearing layers. In the west, a 1,000-km long strip to the Ozerbaya Bay in the north, contains oil deposits that can probably be used for industrial purposes. Cinnabar is found all over a 1,500-km long stretch up to and including the Karyanskiy Mountain

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Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

Range in the north. Copper is found in the East-Kamchatkin ore zone and the Central Mountain Range. In the latter's south part, gold which can be exploited industrially is also found. Kamchatka is rich in construction material. There are almost two billion cu m of pumice. In an area of the west coast of 3.4 million ha, there are 8 billion tons of peat. The forests cover 450,000 sq km. Agricultural projects include doubling of the present arable land to 18,500 ha by 1960, opening up of 10,000 ha of virgin land, an increase in the number of big-horned cattle to 24,500 and that of pigs to 21,000. The number of reindeer increased by 7 times between 1940 and 1957. There are 140,000 heads now. Available pasture area permits an increase to 180,000. Improved pastures will eventually feed 250,000 - 300,000. By 1960, raising of 172,000 heads of reindeer should be possible. This will correspond to a production of 2,500,000 kg of reindeer meat. Every year, 8,000 - 9,000 sable furs are obtained. Other furry animals of the region are also of economical value. In July 1957, the Komissiya po pro-

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Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

blemam severa Soveta po izucheniyu proizvoditel'nykh sil Akademii nauk SSSR (Commission of the Problems of the North of the USSR Academy of Sciences' Council of the Study of the Productive Forces) held a scientific session in Petropavlovsk in order to find ways of exploiting the natural riches of Kamchatka. By 1959, the territory must be covered by maps of 1 : 500,000 and 1 : 1,000,000. With respect to oil, coal and minerals, a systematic geological large-scale mapping must be done. Geophysical and other up-to-date methods must be employed to obtain a thorough knowledge of the mineral resources. Problems in the catching and processing of fish are being investigated in detail. Large enterprises of the fish industry are to be established in the ports of Petropavlovsk and Ozernovskiy, and in the fish combine of Ust'-Kamchatskiy, Korf, Mikoyan and Kirov. Soil research is being conducted to help the farming and cattle breeding sectors. Organized scientific hunting and wild life preserving methods are stressed. The air transportation network will be expanded and small-river navigation increased

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Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

by devising special craft. Interior transportation problems will be solved. The Ozernovskiy sea port must be developed together with a land route on the west coast and the connection between the port and the Krutogorovskiy coal mines. The Petropavlovsk sea port will be considerably expanded and new highways built. The Ust'-Kamchatskiy port will be improved and extended very soon, and the Kamchatka river made navigable. Airfields and landing areas will be set up in the most important industrial and administrative centers. Electric energy is still depended on other than local fuel. Of the scientifically confirmed 522 million tons of coal, only 13,000 to 15,000 tons are mined annually. Although the potential capacity of the mountain streams is 12 to 20 million kwh. many difficulties in the construction of hydroelectric power plants need to be overcome. Hot water and steam escaping from the earth surface in certain places must be turned to economic use. The session proposed and agreed to have another Complex Scientific Kamchatka Expedition in 1958 and to bring into being a Kom-

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Prospects of the Development of the Productive Forces of Kamchatka. Scientific Session on Problems of the Study and Utilization of the Natural Resources of the Kamchatka Oblast'

pleksnyy nauchno-issledovatel'skiy institut (Complex Scientific Research Institute) in the town of Petropavlovsk-Kamchatskiy.

There are 1 map and 6 photos.

AVAILABLE: Library of Congress

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1. Kamchatka Peninsula - Exploration
2. Economic development - Kamchatka Peninsula

AUTHOR: None Given NOV-26-58-8-31/51

TITLE: A General Meeting of the Academy of Sciences of the USSR
(Obshcheye sobraniye Akademii nauk SSSR)

PERIODICAL: Priroda, 1958, ⁴⁷ Nr 8, pp 112-113 (USSR)

ABSTRACT: The June 1958 meeting of the AS USSR was concerned with important actual problems. The chief paper was delivered by the Academy's president, Academician A.N. Nesmeyanov. It dealt with the forthcoming necessary faster development of the Soviet chemical industry, especially the branch of the production of synthetic materials and their derivatives. It is intended to equal the USA's present output of these materials by 1965. This calls for the establishment of new institutes and an expansion of the research bases of the aforementioned and other sciences. The meeting was listened to by Academicians N.N. Semenov, A.E. Arbuzov, V.A. Kargin, the President AS Azerbaijani SSR Yu.G. Mamdaliev, the corresponding members of the AS USSR J.A. Imshenetskiy, and N.M. Sisakyan, and the Doctors of Chemical Sciences N.G. Titov and R.P. Obolentsev. The attendants in the meeting also listened to the paper of Academician N.N. Bogolyubov, on the "Basic Principles of the Theory of Superfluidity and

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A General Meeting of the Academy of Sciences of the USSR

"Superconductivity" and of Academician D.I. Shcherbakov, on "Some Results of the Works of the Soviet Complex Antarctic Expedition". Bogolyubov explained the history of the theory and mentioned the relevant merits of the Dutchman Kammerling-Onnes, the former physicist P.L. Kapitza and the Italo-American Porti. Shcherbakov mentioned that the Soviet Antarctic expedition carries out regular scientific observations on 6 out of 24 stations established on the Antarctic continent. Interesting data on the temperature and its changes was given together with observation results of the fauna of the Antarctic coast and the distribution regularities of birds and animals. Complex oceanographic research permitted the making of a first reliable map of the coast line of the Antarctic continent which disproves the former opinion on the level or slightly wavy relief of the sea bottom there. At this general meeting the body of the Academy was supplemented by the designation of 26 academicians and 55 correspondent members. Now the AS USSR has 167 academicians and 361 corresponding members. A total of 32 foreign

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A General Meeting of the Academy of Sciences of the USSR

scientists were elected members of the Academy.
There are 2 Soviet references.

1. Scientific research--USSR
2. Chemical industry--USSR
3. Antarctic regions--USSR

Card 3/3

SHCHERBAKOV, D.I., akademik

Trip to Thailand (notes of a member of the 9th Session of the
Pacific Ocean Congress). Priroda 47 no.9:72-79 S !58. (MIRA 11:9)
(Asia--Discription and travel) (Pacific Ocean)
(Bangkok--Oceanography--Congresses)

SHCHERBAKOV, Dmitriy Ivanovich, akademik; PROKHODTSEVA, S.Ya., red.;
NOGINA, N.I., tekhn.red.

[In the land of the Thai people] V strane naroda Tai. Moskva,
Gos.izd-vo geogr.lit-ry, 1959. 115 p. (MIRA 12:7)
(Thailand--Description and travel)

SHATSKIY, N.S., akademik, otv.red.; SHCHERBAKOV, D.I., akademik, red.;
BELIYAYEVSKIY, N.A., red.; DOLGOPOLOV, N.N., red.; LEVITSKIY,
O.D., red.; PUSCHAROVSKIY, Yu.M., red.; SOKOLOV, G.A., red.;
SHATALOV, Ye.T., red.; NOSOV, G.I., red.izd-va; NOVICHKOVA,
N.D., tekhn.red.

[Characteristics of the distribution of mineral resources] Zako-
nomernosti razmeshcheniya poleznykh iskopaemykh. Moskva. Vol.2.
1959. 504 p. (MIRA 13:6)

1. Akademiya nauk SSSR. Komissiya po probleme "Zakonomernosti
razmeshcheniya poleznykh iskopayemykh. 2. Institut geologii
rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN
SSSR (for Sokolov, Shatalov).

(Mines and mineral resources)

SOV/11-59-1-1/16

AUTHOR: Shcherbakov, D.I.

TITLE: The Geological Science on the Eve of the XXI Congress of the Communist Party of the USSR (Geologicheskaya nauka k XXI s"yezdu KPSS)

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959,
Nr 1, pp 5-8 (USSR)

ABSTRACT: The author, academician and chief editor of this periodical, stresses the important part the geological sciences are playing in the general plan of development of all branches of the Soviet industry in the 7-Year Plan. One of the most important tasks of the geological sciences is to discover the regularity of the occurrence of minerals, according to the theory of the Academician N.S. Shatskiy. It is important to know this regularity, because it will greatly facilitate the task of the prospectors. All prospecting operations should be divided in separate groups, each group containing following minerals: 1) minerals of sedimentary origin; 2) minerals of a magmatic origin; 3) oil and fuel gases; 4) coal and coalbearing shists and 5) rare and dispersed minerals. As the early production of oil must reach 230-240,000,000 tons and the production of gas 150,000,000,000 cubic m in 1965, it is very

Card 1/2

SOV/11-59-1-1/16

The Geological Science on the Eve of the XXI Congress of the Communist Party of
the USSR

important that new oil and gas bearing fields be discovered and put into exploitation by that date. Moreover, as the exploitation of new deposits involves enormous expenses, it is important to enlarge the deposits already in exploitation by deepening existing mines or by finding separate "blind" deposits.

Card 2/2

PERSMAN, Aleksandr Yevgen'yevich, akademik [deceased]; SHCHERBAKOV, D.I.,
akademik, otd.red.; KUN, N.R., red. Izd-va; POLYAKOVA, T.V.,
tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk
SSSR. Vol.5. 1959. 858 p. (MIRA 12:7)
(Geochemistry)

GAUSS, Karl Fridrikh [Gauss, Karl Friedrich];[deceased]; DEM'YANOV, V.B.
kand.fiz.-matem.nauk [translator]; VINOGRADOV, I.M., akademik,
obshchiy red.; PETROVSKIY, I.G., akademik, red.; KUZNETSOV, I.V.,
kand.filos.nauk, red.; ANDREYEV, N.N., akademik, red.; KAZANSKIY,
B.A., akademik, red.; SHCHERBAKOV, D.I., akademik, red.; YUDIN,
P.F., akademik, red.; DELONE, B.N., red.; KOSHTOYANTS, Kh.S.,
red.; SAMARIN, A.M., red.; LEBEDEV, D.M., prof., red.; FIGU-
ROVSKIY, N.A., prof., red.; RYVKIN, A.Z., red.izd-va; MAKOGONOV,
I.A., tekhn.red.

[Works pertaining to the theory of numbers] Trudy po teorii
chisel. Obshchaia red. I.M.Vinogradova. Kommentarii B.N.Delone.
Moskva, Izd-vo Akad.nauk SSSR, 1959. 978 p. (MIRA 13:2)

1. Chleny-korrespondenty AN SSSR (for Delone, Koshtoyants, Sa-
marin).

(Numbers, Theory of)

SHCHERBAKOV, D.I., akademik

In memory of A.F.Sosedko. Trudy Inst.min., geokhim.i kristalokhim.-
red.elem. no.2:312-333 '59. (MIRA 15:4)
(Sosedko, Aleksandr Fedorovich, -1957)

IC(?)

SCV/11-59-6-15/15

AUTHORS: Shcherbilov, D.I. and Tsur-Oganesov, Ya.G.

TITLE: Scientific Ties with Belgian Scientists

PERIODICAL: Izvestiya Akademii nauk SSSR, Seriya geologicheskaya, 1959, № 6, pp. 126-128 (USSR)

ABSTRACT: The authors describe their impression of the Brussels World Exhibition and the contact they established with Belgian scientists. Professor N.P. Yermakov and geologist T.T. Matrenitskii also took part in the personal contacts with the Belgians.

Caro 1/1

SOV/26-99-1-2/34

The Building-up of Communism and Science

Siberian branch of the AS in Novosibirsk is considered to
be of the utmost importance within the plan setup.

Card 2/2

SOV/25-59-3-4/46

The Seven-Year Plan of Geology

prospects for petroleum. The gas resources of the Bulgaro-Urals region were expanded by new discoveries in 1954. The ~~Sazlinskiye~~ deposits alone contain 2 1/2 times more gas than the Stavropol' resources. Eastern Turkmenistan possesses big petroleum fields, and recently gas deposits have been found in Siberia, near Karpashov in the West Siberian lowland, and petroleum in the depressions around the Siberian lowland and in the Yakut ASSR on the river Vilyuy. About 70% of the USSR coal deposits in the near future will be concentrated in Eastern Siberia. Apart from developing the two main eastern coal basins, the Kuzbass and Karaganda basins in Kazakhstan, the output of the Kansko-Achinsk lignite deposits (1.2 trillion tons) will be greatly increased. The importance of the Irkutsk basin, with the two main coal deposit, Cherenkovskoye and Azeyskoye, will soon be increased by new deposits. The Tungusskiy pit coal basin (1.5 trillion tons) and the Lena deposits (2.5 trillion tons) show good prospects as well as the South Yakut basin with high-quality coking coal.

Caro L/S

SCV/25-59-3-4/46

The Sovnarkom decree

Coal production will be as high as 609 million tons by 1965. The magnetic iron ore deposits discovered in the Belgorod and Kursk Oblast' in the region of the Kursk Magnetic Anomaly are of great importance. The coal output of this region could be increased by at least 3 times (up to 240 billion tons), thus providing favorable conditions for a concentration of the biggest iron ore deposits with first-class coal, which will make the Kursk Magnetic Anomaly the basis of the USSR ferrous metallurgical industry. During the next few years big mines and concentration plants will be built in the Kustanay region for the Sokolovo-Sarbay deposits, where iron ore resources amount to several billion tons. The five biggest iron ore regions in Central and Eastern Siberia are: Angaro-Pitskiy, Angaro-Ilimskiy, Nerchinsko-Zavodskoy, Khakasskiy and Yuzhno-Aldanskiy deposits. The total deposits of the Angaro-Ilimskiy region amount to 1.7 billion tons. The Angaro-Pitskiy region possesses more than 40% of the Eastern Siberian deposits. The recently discovered ore deposits south of Khakassiya -

Card 3/5

The Seven-Year Plan of Geology

SCV/25-59-3-4/46

the Shchamanskiye deposits amount to about 600 million tons. Iron ore has also been found in the Chita economic regions, and chrome ore in the South Ural. The greatest success of Soviet geological science is the discovery of the world's largest diamond fields on Yakut territory. The basic resources of aluminum are concentrated in Kazakhstan and the RSFSR; even bigger deposits are located in the North Ural (the Tirkavinka bauxite deposits in Leningrad Oblast), the Arkhangelsk bauxite fields and the Turgyy bauxite resources in Kazakhstan. Vast nepheline syenite resources have been discovered in various regions of the Russian Federation (Khibiny, Krasnoyarsk Krai). In 1957, syenite was found in the Kemerov andural regions. During the new 7-Year Plan Kazakhstan will lead in supplying industry with the necessary non-ferrous metals. Big copper resources as well as lead and zinc deposits have been discovered in Dzhez-Kazgan and Kounrad. Apart

Card 4/5

The Soviet Union, which is rich in sulfur

SOW/25-50-3-4/46

from the Russian Federation, the Ukraine shows good prospects for the mining of chemical raw materials. One of the biggest European sulfur plants is being built in Rostov. There are 5 sketches.

Card 5/5

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8

SHCHERBAKOV, D. I.

Geology at the 21st Congress of the CPSU. Izv. AN SSSR. Ser. geol. 24
no. 1:3-8 Ja '59. (Geology) (MIR 12:3)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8"

SHCHEERBAKOV, D.I.,akademik; TROSHIN, D.M.

Science and the building up of communism. Priroda 48 no.1:3-
12 Ja '59. (MIRA 12:2)
(Communism) (Science)

SHCHERBAKOV, Dmitriy Ivanovich, akad.; STEPANYAN, N.TS., red.; KARASIK,
N.P., tekhn. red.

[From the arctics to the tropics] Ot Arktiki do tropikov. Moskva,
Izd-vo "Sovetskaia Rossiia," 1960. 198 p. (MIRA 14:6)
(Voyages and travels)

STARIK, I.Ye., otv.red.; SHCHERBAKOV, D.I., akademik, zamestitel' otv.red.; BARANOV, V.I., prof., zamestitel' otv.red.; SHATSKIY, N.S., akademik, red.; POLKANOV, A.A., akademik, red.; VINOGRADOV, A.P., akademik, red.; AFANAS'YEV, S.D., red.; GERLING, E.K., prof., red.; PEKARSKAYA, T.B., kand.geologo-mineral.nauk, red.; IVANOV, B.V., red.izd-va [deceased]; GUSEVA, A.P., tekhn.red.

[Transactions of the sixth session of the Committee on the Determination of the Absolute Chronology of Geological Formations, May 22-27, 1957] Trudy shestoi sessii komissii po opredeleniiu absoliutnogo vozrasta geologicheskikh formatsii; 22-27 maia 1957 g. (MIRA 13:7) Moskva, 1960. 306 p.

1. Akademiya nauk SSSR. Komissiya po opredeliniyu absolyutnogo vozrasta geologicheskikh formatsiy.
(Geological time)

KRYLENKO, Nikolay Vasil'yevich; BARKHASH, L.L., red.; KRYLENKO, Z.A.,
red.; MARKOV, K.K., red.; SHCHERBAKOV, D.I., akademik, red.;
GRISHINA, L.I., red.; MAL'KES, B.N., mладший red.; MAL'CHEVSKIY,
G.N., red.kart; VILENSKAYA, E.N., tekhn.red.

[In the unexplored Pamirs] Po neissledovannomu Pamiru. Moskva,
Gos.izd-vo geogr.lit-ry, 1960. 347 p.

(MIRA 13:7)

(Pamirs--Description and travel)

PHASE I BOOK EXPLOITATION SOV/4358

Shchit i tekhnika v semiletke (Labor and Engineering in the Seven-Year Plan) Moscow: Pravzdat 1980. 305 p.

(Soviet Massovaya biblioteka Rabochego) 10,000 copies printed.

compiler: S. O. Krylov; Ed.: A. V. Anishev; Tech. Ed.: A. A. Golichenkova.

PURPOSE: This book is intended for the general reader. Suggestions for further progress are made. No publications are mentioned. There are no references.

CONTENTS: The book is a collection of 19 articles dealing with the achievements and progress of the Seven-Year Plan in branches of the Soviet economy and in science. Attention is given to power plant construction, machine building, engineering, electrification, transportation, prospecting, steel production, production of consumer goods, mechanization of agriculture, and chemistry.

PROKOPENOVICH, A. Ye. [Deputy Director, Experimental Research Institute of Metalworking Materials] From Automatic Machine Tools to Automatic Production Lines, Shops, and Factories 59

KOBILINSKI, A. Ye. [Doctor of Technical Sciences] Program Control of Machine Tools 112

SOLOBOLEV, V. M. [Doctor of Technical Sciences, Professor] Cybernetics 119

PETROV, B. N. [Corresponding Member, Academy of Sciences USSR] Automation in the Near Future 127

GRABURSKY, D. Yu. [Candidate of Chemistry] Chemistry Today and Tomorrow 142

PISSAREV, A. S. [Candidate of Technical Sciences] Poundage of Industry 166

STOKAL'Y, V. Yu. [Deputy Director, Moscow Branch of the Scientific Project Institute of the USSR] Electrification of the USSR 189

CHUKHNOVSKY, P. [Corresponding Member, Academy of Sciences USSR] On Comprehensive Utilization of Fuel Resources 207

BORISOV, M. I. [Chairman, Cotton Mills Industry]. The Condition of Workers in the Building-Materials Industry 223

VERSER, A. [Large Construction Project] Verser in a Large Construction Project 223

CHEKHOV, A. A. [Candidate of Technical Sciences] Welding 252

BERINGER, G. I. [Member, Academy of Sciences USSR] What Is New in Prospecting for Mineral Resources 267

SHUBERTSKAYA, Z. I. [Member, Academy of Sciences USSR] Prospecting for Mineral Resources 267

PATLIOV, N. A. [Candidate of Technical Sciences, Deputy Chairman, State Scientific and Technical Committee, Council of Ministers of the USSR] New Engineering for the Creators of Plenty 290

SPRIVETZ, G. S. [Instructor at the Automation Laboratory, Technical University, Leningrad] Skilled Industrial Education and Professional Preparation of Specialists: Report to the Institute of the Cotton Industry 308

BREYGER, B. D. [Director, Generalnyy nauchno-issledovatel'skiy institut po shchitovym i gornym prochnostnym issledovaniyam, Scientific Research Institute of the Shelters and Protection of Objects] Half a Billion Rubles of Shelters 320

KARPOV, A. N. [Member, All-Union Academy of Agricultural Sciences, Leningrad] Large-Scale Mechanization of Horticulture 325

ZONOVSKY, V. V. [Corresponding Member, Academy of Sciences USSR, Honored Scientist and Technologist] A Big Step in the Book 342

AVAILABLE: Library of Congress 363

OBRUCHEV, Vladimir Afanas'yevich, akademik [deceased]; OBRUCHEV, S.V.,
otv.red.; SHCHERBAKOV, D.I., akademik, red.; SHATSKIY, N.S.,
akademik, red.; OBRUCHEV, V.V., kand.geol.-min.nauk, red.;
SINITSYN, V.M., doktor geol.-min.nauk, red.; POPOVA, T.S., red.
izd-va; POLYAKOVA, T.V., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk
SSSR. Vol.2. 1960. 503 p. (MIRA 13:10)

l. Chlen-korrespondent Akademii nauk SSSR (for S.V.Obruchev).
(Asia, Central--Physical geography)

MENDELEYEV, Dmitriy Ivanovich [deceased]; KEDROV, B.M., red.; PETROVSKIY,
I.G., akademik, red.; ANDREYEV, N.N., akademik, red.; BYKOV, K.M.,
akademik, red. [deceased]; KAZANSKIY, B.A., akademik, red.;
SHMIDT, O.Yu., akademik, red. [deceased]; SHCHERBAKOV, D.I., red.;
YUDIN, P.F., akademik, red.; DELONE, B.N., red.; KOSHTOYANTS,
Kh.S., red.; SAMARIN, A.M., red.; LEBEDEV, D.M., prof., red.;
FIGUROVSKIY, N.A., prof., red.; KUZNETSOV, I.V., kand.filosof.nauk,
red.; TRIFONOV, D.N., red.izd.-va; NOVICHKOVA, N.D., tekhn.red.

[Periodic law; supplementary materials] Periodicheskii zakon;
dopolnitel'nye materialy. Red.i kommentarii B.M.Kedrova. Moskva,
Izd-vo Akad.nauk SSSR, 1960. 711 p. (MIRA 14:2)

1. Chleny-korrespondenty AN SSSR (for Delone, Koshtoyants, Samarin).
(Periodic law)

PASTER, Lui [Pasteur, Louis]; IMSHENETSKIY, A.A., red.; PETROVSKIY, I.G., akademik, red.; ANDREELEV, N.N., akademik, red.; BYKOV, K.M., akademik, red. [deceased]; KAZANSKIY, B.A., akademik, red.; OPARIN, A.I., akademik, red.; SHMIDT, O.Yu., akademik, red. [deceased]; SHCHERBAKOV, D.I., akademik, red.; YUDIN, P.F., akademik, red.; KOSHTOYANTS, Kh.S., red.; SAMARIN, A.M., red.; MAKSIMOV, A.A., red.; LEBEDEV, D.M., doktor geograf.nauk, red.; FIGUROVSKIY, N.A., doktor khim.nauk, red.; KUZNETSOV, I.V., kand. filosof.nauk, red.; OZNOBISHIN, D.V., kand. istor.nauk, red.; MATVEYENKO, T.A., red.izd-va; DOROKHINA, I.N., tekhn.red.

[Selected works in two volumes] Izbrannye trudy v dvukh tomakh.
[Selected works in two volumes] Izbrannye trudy v dvukh tomakh.
Red. A.A. Imshenetskogo. Moskva, Izd-vo Akad.nauk SSSR. Vol. 1.
(MIRA 13:11)
1960. 1012 p.

1. Chleny-korrespondenty AN SSSR (for Imshenetskiy, Koshtoyants,
Samarin, Maksimov).
(MICROBIOLOGY)

SHATSKIY, Nikolay Sergeyevich, akademik, glav. red. [deceased];
SMIRNOV, V.I., red.; SHCHERBAKOV, D.I., akademik, red.;
GORSKIY, I.I., red.; DOLGOPOLOV, N.N., red.; PUSHCHAROV-
SKIY, Yu.M., red.; SOKOLOV, G.A., red.; TUGOLESSOV, D.A.,
red. izd-va; KASHINA, P.S., tekhn. red.

[Mineral distribution characteristics] Zakonomernosti raz-
meshcheniya poleznykh iskopaemykh. Moskva, Vol.3. 1960. 651 p.
(MIRA 14:5)

1. Akademiya nauk SSSR. Otdeleniye geologo-geograficheskikh
nauk. Sovet po izucheniyu zakonomernostey razmeshcheniya po-
leznykh iskopayemykh. (Minerals)

FERSMAN, Aleksandr Yevgen'yevich, akademik; SERDYUCHENKO, D.P., doktor geol.-mineral.nauk, otd.red.; BELOV, N.V., akademik, red.; VINOGRADOV, A.P., akademik, red.; SHCHERBAKOV, D.I., akademik, red.; SAUKOV, A.A., red.; SHCHERBINA, V.V., doktor geol.-mineral. nauk, red.; KUN, I.R., red.izd-va; ASTROV, A.V., red.izd-va; KASHINA, P.S., tekhn.red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad.nauk SSSR.
Vol.6. 1960. 742 p. (MIRA 13:11)

1. Chlen-korrespondent AN SSSR (for Saukov).
(Pegmatites) (Granite)

30(7)

S/026/60/000/04/023/070
D048/D006

AUTHORS: Zenkevich, L.A., Corresponding Member of the AS USSR
and Shcherbakov, D.I., Academician

TITLE: The Success of Modern Oceanography

PERIODICAL: Priroda, 1960, Nr 4, pp 56 - 63 (USSR)

ABSTRACT: This is a report on the International Oceanographical Congress which took place in New York from 1 to 12 September 1959. The authors give a detailed survey of the problems discussed at the Congress. There are 5 photographs, 2 diagrams and 1 Soviet reference.

ASSOCIATION: AN SSSR (AS USSR) - Zenkevich

Card 1/1

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SHCHERBAKOV, D.I., akademik

International Oceanographic Congress. Nauka i zhizn'
(MIRA 13:6)
27 no.2:53-58 F '60.
(Oceanography--Congressses)

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CIA-RDP86-00513R001548820014-8"

SHCHERBAKOV, D.I., akademik

Trip to India. Vest. AN SSSR 30 no. 6:103-105 Je '60.
(MIRA 13:6)

(India--Research)

SECHERBAKOV, D.I., akademik

Current problems in geology. Vest. AN SSSR 30 no.8:41-46 Ag '60.
(MIRA 13:8)
(Geological research)

SHCHERBAKOV, D.I., akademik (Moskva)

In the land of great contrasts. Priroda 49 no.11:73-82 N '60.
(MIRA 13:11)

(India--Description and travel)

SHCHERBAKOV, Dmitriy Ivanovich, akademik; NEKHLYUDOVA, A.S., red.;
SAVCHENKO, Ye.V., tekhn. red.

[Problems of contemporary geology] Chem zanimaetsia sovremen-
naia geologiiia. Moskva, Izd-vo "Znanie," 1961. 38 p. (Narod-
nyi universitet kul'tury: Fakul'tet estestvenno-nauchnyi, no.15)
(MIRA 14:12)

(Geology)

GUDZHEZHIANI, B.I.; CHICHUA, B.K.; PETROVSKIY, G.D.; KOMETIANI, G.A.;
AZAYPARASHVILI, M.V.; AVALISHVILI, E.Ye.[deceased];
MIRZIASVILI, T.M.; SHCHERBAKOV, D.I., glav.red.; ARCHVADZE, Sh.R.,
red.; BOGOLYUBOVA, L.I., red.; VAL'TS, I.E., red.; TAVADZE, F.N.,
red.; YABLOKOV, V.S., red.; PEVZNER, G.Ye., red.izd-va; MAKUNI,Ye.V.,
tekhn. red.

[Coal atlas of the Caucasus] Atlas uglei Kavkaza. By B.I.Gudzedzhiani
i dr. Moskva, Izd-vo Akad.nauk SSSR, 1961. 167 p. (MIRA 14:12)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Sovet po izucheniyu proiz-
voditel'nykh sil. (Caucasus—Coal geology)

SHCHERBAKOV, D.I., akad., otv. red.; GALUSHKO, Ya.A., red. izd-va; LEBE-
DEVA, L.A., tekhn. red.; RYLINA, Yu.V., tekhn. red.

[Raw material resources of Kamchatka Province; materials of an out-
session of the Committee on problems of the North, 1957] Syr'evye
resursy Kamchatskoi oblasti; materialy vyezdnoi sessii Komissii po pro-
blemam Severa v 1957 g. Moskva, 1961. 183 p. (MIRA 14:7)

1. Akademiya nauk SSSR. Komissiya po problemam Severa.
(Kamchatka---Natural resources)

GUSEV, Aleksandr Mikhaylovich, prof., doktor fiz.-matem.nauk; SHCHERBAKOV,
D.I., akademik, otd.red.; SUZYUMOV, Ye.M., red.izd-va; GUSEVA, A.P.,
tekhn.red.

[In the snows of the Antarctic] V snegakh Antarktidy. Moskva,
Izd-vo Akad.nauk SSSR, 1961. 189 p. (MIRA 14:4)

1. Nachal'nik antarkticheskoy stantsii Pionerskaya (for Gusev).
(Antarctic regions)

STARIK, I.Ye., otv. red.; SHCHERBAKOV, D.I., akademik, zam. otv. red.; BARANOV, V.I., prof., zam. otv. red.; VINOGRADOV, A.P., akademik, red.; SHATSKIY, N.S., akademik, red.[deceased]; POL-KANOV, A.A., akademik, red.; AFANAS'YEV, G.D., red.; GERLING, E.K., prof., red.; PEKARSKAYA, T.B., kand. geol.-miner. nauk, red.; ARON, G.M., red. izd-va; ZAMARAYEVA, R.A., tekhn. red.

[Transactions of the ninth session of the Commission for the Determination of the Absolute Age of Geologic Formations, June 14-18, 1960] Trudy deviatoi sessii Komissii po opredeleniiu absolutnogo vozrasta geologicheskikh formatsii, 14-18 iiunia 1960 g. Moskva, 1961. 331 p. (MIRA 14:8)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyutnogo vozrasta geologicheskikh formatsiy. 2. Chlen-korrespondent AN SSSR (for Starik, Afanas'yev).
(Geological time)

LOMONOSOV, Mikhail Vasil'yevich; TOPCHIYEV, A.V., akad., red.; PETROVSKIY, I.G., akad., red.; ANDREYEV, P.N., akad., red.; BYKOV, K.M., akad., red.; KAZANSKIY, V.A., akad., red.; SHMIDT, O.Yu., akad., red.; SHCHERBAKOV, D.I., akad., red.; YUDIN, P.F., akad., red.; DELONE, B.N., red.; KOSHTOYANTS, Kh.S., red.; SAMARIN, A.M., red.; LEBEDEV, D.M., prof., red.; FIGUROVSKIY, N.A., prof., red.; KUZNETSOV, I.V., kand. filos. nauk, red.; BERKOVICH, D.M., red. izd-va; NOVICHKOVA, N.D., tekhn. red.; KASHINA, P.Ye., tekhn. red.

[Selected works in chemistry and physics] Izbrannye trudy po khimii i fizike. Red. A.V. Topchieva. Stat'ia N.A. Figurovskogo. Primechanija G.A. Andreevoi, O.A. Lezhnevoi i N.A. Figurovskogo. Moskva, Izd-vo Akad. nauk SSSR, 1961. 560 p.

1. Chlen-korrespondent AN SSSR (for Delone, Koshtoyants, Semarin).
(Lomonosov, Mikhail Vasil'yevich, 1711-1765)
(Chemistry) (Physics)

OBRUCHEV, Vladimir Afanas'yevich, akademik, geolog; OBRUCHEV, S.V., otd. red.; SHCHERBAKOV, D.I., akademik, red.; OBRUCHEV, V.V., kand. geol.-min. nauk, red.; SINITSYN, V.M., doktor geol.-min. nauk, red.; POPOVA, T.S., red. izd-va; POLYAKOVA, T.V., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol.3. 1961. 566 p. (MIRA 14:11)

1. Chlen-korrespondent AN SSSR (for Obruchev, S.V.).
(Siberia—Gold ores)

ANDRUSOV, Nikolay Ivanovich, akademik [deceased]; SHATSKIY, N.S., akademik, glav. red. [deceased]; SHCHERBAKOV, D.I., akademik, glav. red.; MERKLIN, R.L., otv. red.; BEZRUKOV, P.L., red.; DAVITASHVILI, L.Sh., red.; DOLGOPOLOV, N.N., red.; ZENKEVICH, L.A., red.; MENNER, V.V., red.; NEVESSKAYA, L.A., red.; EBERZIN, A.G., red.; YANSHIN, A.I., akademik, red.; POLENOVA, T.P., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol.1. 1961. 710 p. (MIRA 14:8)
(Paleontology)

SHCHERBAKOV, D.T.

Aleksandr Evgen'evich Fersman; on the 15th anniversary of his death.
Zhizn' Zem. no.1:178-184 '61. (MIR 15:6)
(Fersman, Aleksandr Evgen'evich, 1863-1945)

SHCHERBAKOV, D. I.

Role of F.IU.Levinson-Lessing in the development of the study of ore
deposits. Izv.AN SSSR.Ser.geol. no.3:55-60 Mr '61. (MIRA 15:2)
(Levinson-Lessing, Frants Iul'evich, 1861-1939)
(Ore dressing)

SHCHERRAKOV, D.I., akademik

Most precious. Okhr.truda i sots.strakh. 4 no.12:9-10 D '61.
(MJ [redacted] sell)

1. Chlen prezidiuma AN SSSR.
(Research, Industrial)

AFANAS'YEV, G.D.; BARSANOV, G.P.; VLASOV, K.A.; KORZHINSKIY, D.S.;
MIRCHINK, M.F.; NALIVKIN, D.V.; PAVLOVSKIY, Ye.V.; PEYVE, A.V.;
SMIRNOV, V.I.; STRAKHOV, N.M.; CHUKHROV, F.V.; SHCHERBAKOV, D.I.;
YABLOKOV, V.S.

Oleg Dmitrievich Levitskii; obituary. Izv.AN SSSR.Ser.geol. 26
no.6:110-111 Je '61. (MIRA 14:6)
(Levitskii, Oleg Dmitrievich, 1909-1961)

SHCHERBAKOV, D.I.; AGAIEV, Y.V., G.D.

Some geological problems in connection with the study of the
earth's internal structure. Izv.AN SSSR. Ser.geol.26 no.10:
3-12 0 '61. (MIRA 14:9)
(Earth—Internal structure)

SHCHERBINA, D.F., do not

Minerals keep track on old ice line. Marks in zinc 28
(ITEM 14:2)
no. 1:10-17-10.
(radiocarbon) (radioactive substances)

Типичные для сюда.

In the land current irrigation i. Nauka i zhizn' 28
no. 6-17-19 is 11%. (MPA 14:7)
(Soviet Central Asia--Irrigation)

SHCHERBAKOV, D.I., akademik

Central problems of present-day geology and geography.
Vest. AN SSSR 31 no.8:22-23 Ag '61. (MIRA 14:8)
(Geological research)

SHCHERBAKOV, D.I., akademik

Scale of absolute age of geological formations. Priroda 50
no. 2:9-17 F '61. (MIRA 14:2)
(Geological time)

SHCHERBAKOV, D.I., akademik (Moskva)

In sunny Armenia. Priroda 50 no.5:67-74 My '61. (MIRA 14:5)
(Armenia--Description and travel)

SHCHERBAKOV, D.I., akademik; SOLOV'YEV, V.F.

Decision of the Bureau of the Department of Geological and ~~Geographical~~
Sciences of the Academy of Sciences of the U.S.S.R. on the results
of the 11th Session of the Commission on the Determination of the
Absolute Age of Geological Formations. Izv.AN Kazakh.SSR. Ser,geol.
no.5:113-114 '62. (MIRA 15:12)

1. Akademik-sekretar' Otdeleniya geologo-geograficheskikh nauk AN SSSR
(for Shcherbakov). 2. Uchenyy sekretar' Otdeleniya geologo-geografi-
cheskikh nauk AN SSSR (for Solov'yev).
(Geological time)

SHCHERBAKOV, Dmitriy Ivanovich, akademik; IORDANSKIY, A.D., red.
izd-va; VOLKOVA, V.V., tekhn. red.; GOLUB', S.P., tekhn.
red.

[The depths of the ocean] Puchiny okeana. Moskva, Izd-vo
Akad. nauk SSSR, 1962. 117 p. (MIRA 15:4)
(Oceanography)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8

GORSKIY, Nikolay Nikolayevich; SHCHERBAKOV, D.I., akademik, otv. red.;
IORDANSKIY, A.D., red. izd-va; GUS'KOVA, O.N., tekhn. red.

[Water, a wonder of nature] Voda - chudo prirody. Moskva, Izd-
vo Akad. nauk SSSR, 1962. 222 p. (NIHA 15:10)
(Water)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8"

SHCHERBAKOV, D.I., akademik, red.; TIKHOMIROV, G.S., kand. ekonom.
nauk, red.; BELOV, M.I., doktor ist. nauk, red.; SUZYUMOV,
Ye.M., red.; FEDOSEYEV, I.A., kand. tekhn. nauk, red.;
FILIPPOV, M.S., kand. geol.-miner. nauk, red.; PERVAKOV,
I.L., red.; CHERNYKH, M.P., mladshiy red.; GOLITSYN, A.V.,
red. kart; VILENSKAYA, E.N., tekhn. red.

[Soviet expeditions of 1959] Sovetskije ekspeditsii 1959 goda.
Moskva, Gos. izd-vo geogr. lit-ry, 1962. 303 p.
(MIRA 15:7)
(Scientific expeditions)

STARIK, I.Ye., otv. red.; SHCHERBAKOV, D.I., akademik, zam. otv. red.; BARANOV, V.I., prof., zav. otv. red.; VINOGRADOV, A.P., akademik, red.; FOLKANOV, A.A., akademik, red.; AFANAS'YEV, G.D., red.; GERLING, E.K., prof., red.; PEKARSKAYA, T.B., kand. geol.-miner. nauk, red.; ARON, G.M., red. izd-va; GALIGANOVA, L.M., tekhn. red.

[Transactions of the Tenth Session of the Commission on the Determination of the Absolute Age of Geological Formations, June 5-10, 1961] Trudy desiatoi sessii...; 5-10 iunia 1961 g. Moskva, Izd-vo Akad. nauk SSSR, 1962. 379 p. (MIRA 15:11)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyutnogo vozrasta geologicheskikh formatsiy. 2. Chlen-korrespondent Akademii nauk SSSR (for Starik, Afanas'yev).
(Geological time)

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8

SHCHERBAKOV, D.I.

Prospects for the development of geochronologic studies in the U.S.S.R.
Biul.Kom.po opr.abs.vozr.geol.form. no.5:4-6 '62. (MIRA 15:11)
(Geological time)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8"

S/030/62/000/001/002/011
B105/B101

AUTHOR: Shcherbakov, D. I., Academician

TITLE: Topical problems of modern geology

PERIODICAL: Akademiya nauk SSSR Vestnik, no 1, 1962, 16-23

TEXT: New data on the structure of the bottom of the ocean are given in this paper on the basis of results of oceanographic research. The following problems are dealt with: (1) submarine mountain ranges and deep depressions. The expedition of the vessel "Vityaz'" in the north-western part of the Pacific is mentioned. The structural connection between the ocean bottom and the shores of the continents was found to be of special importance. (2) The investigation of the earth's crust under oceans and continents requires the development of deep drilling engineering. (3) Tectonic maps. In this connection, the late Academician N. S. Shatskiy is mentioned. M. V. Muratov, V. V. Belousov and V. V. Tikhomirov dealt with the "oceanic" structure of the earth's crust. (4) Paleomagnetology. It is to solve problems of the relative horizontal displacement of continental massives, as well as the change in the position of the poles. (5) Geo-

Card 1/2

S/030/62/000/008/003/005
I044/I242

AUTHOR: Shcherbakov, D.I., Academician

TITLE: Antarctica in the light of recent data

PERIODICAL: Akademiya nauk SSSR. Vestnik. no.8, 1962, 39-45

TEXT: A review of Soviet activities in Antarctica is presented. The Fourth Soviet Antarctic Expedition devoted itself mainly to 1. geodetic surveying; 2. gravimetric measurements; 3. geological mapping of Queen Maud Land; 4. mapping of solar radiation in order to clarify the climatic changes through geologic time. It was shown that the ice cover, rather than diminished radiation is the cause of the negative heat balance. The gravimetric measurements indicated that a thick crust subsided under the weight of the ice. Thus it was established that Antarctica is a continent, not an archipelago.

Card 1/1

"APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8

SHCHERBAKOV, D.I.

Geology and the development of mineral resources for building communism. Izv. AN SSSR. Ser.geol. 27 no.1:3-9 Ja '62. (MIRA 15:1)
(Geology, Economic)

APPROVED FOR RELEASE: 03/14/2001

CIA-RDP86-00513R001548820014-8"

SHCHERBAKOV, D.I.

Some geological studies at the Academy of Sciences of the U.S.S.R.
Izv. AN SSSR. Ser.geol. 27 no.9;3-11 S '62. (MIRA 15:9)
(Geology)

SHCHERBAKOV, D.I., akademik

New achievements in science and technology; Lenin Prizes for 1962.
Priroda 51 no.5:5-6 My '62. (MIRA 15:5)
(Lenin Prizes)

SHCHERBAKOV, D.I., akademik (Moskva); MOZESON, D.L., kand.geograf.nauk
(Moskva)

"Rich and beautiful is Kamchatka" by K.E. Esaulenko.
Reviewed by D.I. Shcherbakov. Priroda 51 no.11:120
(MIRA 15:11)
N '62. (Kamchatka—Economic conditions)

AFANAS'YEV, G.D., otv. red.; BARANOV, V.I., prof., zam. otv. red.; SHCHERBAKOV, D.I., akademik, rec.; POLKANOV, A.A., akademik red.[deceased]; STAKIK, I.Ye.. redaktor ; VINOGRADOV, A.P., akademik, red.; SERLING, E.K., prof., red.; PEKARSKAYA, T.B., kand. geol.-miner. nauk, red.; BORSUK, A.N., red.izd-va; SIMKINA, G.S., tekhn. red.

[Transactions of the 11th session of the Commission on the Determination of the Absolute Age of Geological Formations, May 12-27, 1963] Trudy odinnadtsatoi sessii...; 12-27 maia 1963 g. Moskva, Izd-vo AN SSSR, 1963. 390 p.

(MIRA 17:4)

1. Akademiya nauk SSSR. Komissiya po opredeleniyu absolyutnogo vozrasta geologicheskikh formatsiy. 2. Chlen-korrespondent AN SSSR (for Afanas'yev, Starik).

SCERBAKOV, D.I. [Shcherbakov, D.I.]

Some geologic studies accomplished by the Academy of Sciences of the
U.S.S.R. Analele geol geogr 17 no.2:3-13 Ap-Je '63.

SHCHERBAKOV, D. I., akademik; YANSHIN, A. L., akademik

Urgent problems of geology. Priroda 52 no.1:44-53 '63.

(Geological research)

SHCHERBAKOV, D.I., akademik

Scientist and thinker; the 100th anniversary of the birth of
V.I.Vernadskii. Priroda 52 no.3:49-60 '63. (MIRA 16:4)
(Vernadskii, Vladimir Ivanovich, 1863-1945)

DZHALALBEKOVA, L.A.; VERZILIN, I.M., prof., red.; ZUBKOV, A.I., red.; KALESNIK, S.V., prof., red.; NEVSKIY, S.V., red.; OBRUCHEV, S.V., prof., red.; RODIN, L.Ye., doktor biol.nauk, red.; USPENSKIY, L.V., pis., red.; SHCHERBAKOV, D.I., akademik, red.; GRODENSKIY, G.P., otv. red.; LEONT'YEVA, L.B., tekhn. red.; TRUSOVA, P.L., tekhn. red.

[The globe; geographical yearbook for children] Globus; geograficheskii ezhegodnik dlia detei. Detgiz, Leningrad, 1962. 428 p.
(MIRA 16:5)
4 maps.

1. Chlen-korrespondent Akademii pedagogicheskikh nauk (for Verzilin). 2. Chlen-korrespondent Akademii nauk SSSR (for Kalesnik, Obruchev).

(Geography--Yearbooks)

ANDRUSOV, Nikolay Ivanovich, akademik; SHATSKIY, N.S., akademik, glav.red.
[deceased]; SHCHERBAKOV, D.I., akademik, glav. red.; DAVITASHVILI,
L.Sh., akademik, otv. red.; YANSHIN, A.L., akademik, red.;
BEZRUKOV, P.L., red.; DOLGOPOLOV, N.N., red.; ZENKEVICH, L.A.,
red.; MENNER, V.V., red.; MERKLIN, R.L., red.; NEVESSKAYA, L.A.,
red.; EBERZIN, A.G., red.; SHEVCHENKO, G.N., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR.
Vol.2. 1963. 642 p. (MIRA 16:6)
(Geology, Stratigraphic)

SHCHERBAKOV, D.I.

Present status of and general trends in the development of
geology in the U.S.S.R. Izv.AN SSSR.Ser. geol. 28 no.1:9-18
Ja '63. (MIRA 16:2)
(Geology)

SHCHERBAKOV, D.I., akademik; FRUMKIN, A.N., akademik, KHACHATUROV, T.S.;
VINOGRADOV, A.P., akademik; SOBOLEV, S.L., akademik; KOSTENKO, M.P.,
akademik; TOLSTOV, S.P.; SAZHIN, N.P.; KAZARNOVSKIY, I.A.; VUL, B.M.;
TROFIMUK, A.A., akademik

Discussion of the annual report. Vest. AN SSSR 33 no. 3:25-34
(MIRA 16:3)
Mr '63.

1. Chleny-korrespondenty AN SSSR (for Khachaturov, Tolstov, Sazhin,
Kazarnovskiy, Vul).
(Academy of Sciences of the U.S.S.R.)

SHATSKIY, Nikolay Sergeyevich [deceased]; SHCHERBAKOV, D.I., akademik; glav. red.; YANSHIN, A.L., akademik, otv. red. toma; PEYVE, A.V., zam. glav. red.; KELLER, B.M., red.; MARKOV, M.S., red.; MENNER, V.V., red.; PAVLOVSKIY, Ye.V., red.; PUSHCHAROVSKIY, Yu.M., red.; TIKHOMIROV, V.V., red.; KHVOROVA, D.I., red.; KHERASKOV, N.P., red.; TUGOLESOV, D.A., red. izd-va; POLYAKOVA, T.V., tekhn. red.

[Selected works] Izbrannye trudy. Moskva, Izd-vo Akad. nauk SSSR. Vol.1. 1963. 621 p. (MIRA 16:6)

1. Chlen-korrespondent AN SSSR (for Peyve).
(Geology)

SHCHERBAKOV, D.I,

V.I. Vernadskii, founder of nuclear geology. Izv. AN SSSR.
Ser.geol. 28 no.3:3-9 Mr '63. (MIRA 16:2)
(Nuclear geophysics)